

AMENDMENTS TO THE CLAIMS

1-14. (Cancelled)

15. (Currently Amended) A method for allocating a radio resource by a base station, comprising:

dividing the radio resource into a plurality of bursts, wherein the radio resource is formed by a plurality of subchannels and a plurality of symbol intervals;

adding, to a map, information on the number of unit resources corresponding to each of the plurality of bursts; and

transmitting the map to a subscriber station.

16. (Previously Presented) The method of claim 15, wherein dividing the radio resource comprises:

deciding a default resource in the radio resource; and

dividing the default resource into the plurality of bursts.

17. (Previously Presented) The method of claim 16, wherein deciding the default resource comprises:

deciding the default resource through the number of subchannels.

18. (Previously Presented) The method of claim 17, further comprising:

adding, to the map, information on size of the default resource.

19. (Currently Amended) The method of claim 18, further comprising:

deciding a profile about the plurality of bursts;

encoding and modulating the plurality of bursts according to the profile to generate a frame; and

transmitting the frame including the map to the subscriber station.

20. (Previously Presented) The method of claim 19, wherein encoding and modulating the plurality of bursts comprises:

arranging the plurality of bursts in time order according to robustness of the profile to generate the frame.

21. (Previously Presented) The method of claim 20, further comprising:

adding, to the map, an index of a start unit resource and an index of an end unit resource for each of the plurality of bursts.

22. (Currently Amended) A method for allocating a radio resource by a base station, comprising:

dividing the radio resource into a plurality of bursts to allocate a plurality of users, wherein the radio resource is formed by a plurality of subchannels and a plurality of symbol intervals;

adding, to a map, information on the number of unit resources and a user identification corresponding to each of the plurality of bursts; and

transmitting the map to a subscriber station.

23. (Previously Presented) The method of claim 22, wherein dividing the radio resource comprises:

deciding a default resource in the radio resource;

dividing the default resource into the plurality of bursts; and

adding, to the map, information on size of the default resource.

24. (Previously Presented) The method of claim 23, wherein deciding the default resource comprises:

deciding the default resource through the number of subchannels.

25. (Currently Amended) A frame for transmission from a base station to a subscriber station, the frame comprising:

a plurality of bursts; and

a map including information on the number of unit resources corresponding to each of the plurality of bursts,

wherein a position of each of the plurality of bursts is decided through the number of unit resources in a radio resource that is formed by a plurality of subchannels and a plurality of symbol intervals.

26. (Previously Presented) The frame of claim 25, wherein the position of each of the plurality of bursts is decided through the number of unit resources in a default resource of the radio resource, and
wherein the map further includes information on size of the default resource.

27. (Previously Presented) The frame of claim 26, wherein the default resource is decided through the number of subchannels.

28. (Previously Presented) The frame of claim 27, wherein the map further includes information on a user corresponding to each of the plurality of bursts and information on a profile of each of the plurality of bursts.

29. (Previously Presented) The frame of claim 28, wherein the plurality of bursts are arranged in time order according to robustness of the profile.

30. (Currently Amended) A method for transmitting a frame by a base station, comprising:

adding, to a map, information on the number of unit resources corresponding to each of the plurality of bursts;

inserting the map to the frame; and

transmitting the frame to a subscriber station.

31. (Previously Presented) The method of claim 30, wherein the position of each of the plurality of bursts is decided through the number of unit resources in a default resource of the radio resource,
the method further comprising:

adding, to the map, information on size of the default resource.

32. (Previously Presented) The method of claim 31, wherein the default resource is decided through the number of subchannels.

33. (Previously Presented) The method of claim 32, further comprising:

adding, to the map, information on a user identification corresponding to each of the plurality of bursts and information on a profile of each of the plurality of bursts.

34. (Currently Amended) A method for accessing a radio resource, by a subscriber station, that is formed by a plurality of subchannels and a plurality of symbol intervals, comprising:

searching information on a designated burst in a common control block;

checking the number of unit resources allocated to the designated burst from the information on the designated burst;

searching the designated burst according the number of unit resources to receive the designated burst; and

terminating the receiving operation when the designated burst is received.

35. (Previously Presented) The method of claim 34, further comprising:

checking size of a default resource from the common control block,

wherein the size of the default resource corresponds to the number of available subchannels.

36. (Previously Presented) The method of claim 35, further comprising:

checking information on a profile of the designated burst from the information on the designated burst; and

demodulating and decoding the designated burst according to the profile.